

FIG. 1 A: Full length Apo-A1 sequence

1

MKAAVLTAVLFLTGSQARHFWQQDEPPQSPWDRVKDLATVYVD

VLKDSGRDYVSQFEGSALGKQLNLKLLDNWDSVTSTFSKLREQLGPVTQEFWDNLEKE

TEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVEPLRAELQEGARQKLHE

194

LQEKLSPGEEMRDRARAHVDALRTHLAPYSDELQRQLAARLEALKENGARLAEYHA

KATEHLSTLSEKAKPALEDLRQGLPVLESFKVSFLSALEEYTKKLNTQ 267

sig_peptide 20..91

mature_protein 92..820

20 a tgaaagctgc ggtgctgacc ttggccgtgc ttttcctgac

61 ggggagccag gctcggcatt tctggcagca agatgaaccc ccccagagec cctgggatcg

121 agtgaaggac ctggccactg tgtacgttga tgtgtcaaa gacagcggca gagactatgt

181 gtcccagttt gaaggctccg ctttggaaa acagctaac ctaaagctcc ttgacaactg

241 ggacagcgtg acctccaccc tcagcaagct ggcgcacacg ctggccctg tgacccagga

301 gttctggat aacctggaaa aggagacaga gggcctgagg caggagatga gcaaggatct

361 ggaggagggtg aaggccaaagg tgcagcccta cctggacgac ttcagaaga agtggcagga

421 ggagatggag ctctacccgc agaagggttga gccgcgtgc gcagagctcc aagagggcgc

481 ggcgcaggaa ctgcacggac tgcacagagaa gctgagccca ctggcggagg agatgcgcga

541 ccgcgcgcgc gccccatgtgg acgcgcgtcg cacgcacatcg gccccataca ggcgcgcgc

601 gcgcgcgcgc ttggccgcgc gccttgaggc tctcaaggag aacggcggcg ccagactggc

661 cgagtaccac gccaaggcca ccgagcatct gagcacgcgc agcgagaagg ccaagccgc

721 gctcgaggac ctccgcacag gcctgtgtcc cgtgtggag agcttcaagg tcagtttcct

781 gagcgcttc gaggagtaca ctaagaagct caacacccag

FIG. 1 B

18K N-terminal fragment

25

DEPPQSPWDRVKDLATVYVD

VLKDSGRDYVSQFEGSALGKQLNLKLLDNWDSVTSTFSKLREQLGPVTQEFDNLEKE
TEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVEPLRAELQEGARQKLHE
194
LQEKLSPGEEMRDRARAHVDALRTHLAPYSDEL

92 gatgaaccc ccccaagagcc cctgggatcg

121 agtgaaggac ctggccactg tgtacgttga tgtgtctaaa gacagcggca gagactatgt

181 gtcggcgtttt gaaggctccg ctttggaaa acagctaaac ctaaagctcc ttgacaactg

241 ggacagcgtg acctccaccc tcageaagct gcgcgcacag ctggccctg tgaccggaa

301 gttctggat aacctggaaa aggacacaga gggcctgagg caggatgt gcaaggatct

361 ggaggaggtg aaggccaagg tgcagcccta cctggacgcac ttcagaaga agtggcagga

421 ggagatggag ctctacccgc agaagggttga gcccgtgcgc gcagacgtcc aagaggcgc

481 gcccggcggcgttgcacacgc tgcacggaaa gctgagccca ctggggcggagg agatgcgcgc

541 ccgcgcgcgc gcggcatgtgg acgcgcgtgcg cgcgcacgtg gccccctaca gcgcgcgcgt

601 g

FIG. 1 C

13K N-terminal fragment ..

25

DEPPQSPWDRVK**DLATVYVD**

VLKDSGRDYVSQFEGSALGQLNLKLLDNWDSVTSTFSKLR**QLGPVTQEFDNLEKE
TEGLRQEMSKDLEEV**K**AKV**Q**PYLDDFQKKW**Q**EEMEL**Y**RQKVE**

144

92 gatgaaccc cccca~~g~~agecc cctgggatcg

121 agtgaaggac ctggccactg tgtacgttga tgtgtcaaa gacagcggca gagactatgt

181 gtc~~c~~ccagttt gaaggctccg cttggaaa acagctaaac cttaagctcc ttgacaactg

241 ggacagcgtg acetccaccc tca~~g~~caagct gcgcgaacag ctggccctg tgacccagga

301 gttctggat aacc~~t~~ggaaa aggagacaga gggcctgagg caggatgtg gcaaggatct

361 ggaggaggty aaggccaaagg tgcagccata cctggacgac ttccagaaga agtggcagga

421 ggagatggag ctctacccccc agaagg~~t~~ggaa g

FIG. 1 D

13 K C-terminal fragment.

156

QKLHE

194

LQEKLSP¹⁹⁴GEEMRDRARAHVDALRTHLAPYSDELQRLAARLEALKENG²⁰⁰GARLA²⁰⁵EYHA

267

KATEHLSTLSEKAKPALEDLRQGLLPVLESFKVSFLSALEEYT²⁶⁷KKLNTQ

485 cagaag ctgcacg~~age~~ tgcaagagaa gctgagccca ctggcg~~gagg~~ agatgc~~gaga~~

541 ccgcgcgcgc gccc~~atgtgg~~ acgcgc~~tgcg~~ cacgc~~atcg~~ gccc~~cata~~ gcgc~~acgcgc~~

601 gcgc~~cage~~ gc~~ttggccgc~~ gc~~tttgaggc~~ tc~~tcaggag~~ a~~ccggggcg~~ cc~~agactggc~~

661 cgagtaccac gccaagg~~cca~~ cc~~gagcatct~~ gageac~~gtc~~ agcgagaagg ccaagg~~ccgc~~

721 gctcgaggac ctcgc~~caag~~ g~~cttgcgtgc~~ cgtgc~~ggag~~ a~~gttcagg~~ t~~caatct~~

781 gagegc~~tgc~~ gaggat~~aca~~ ctaaga~~agct~~ caacaccc~~cag~~

Fig. 2

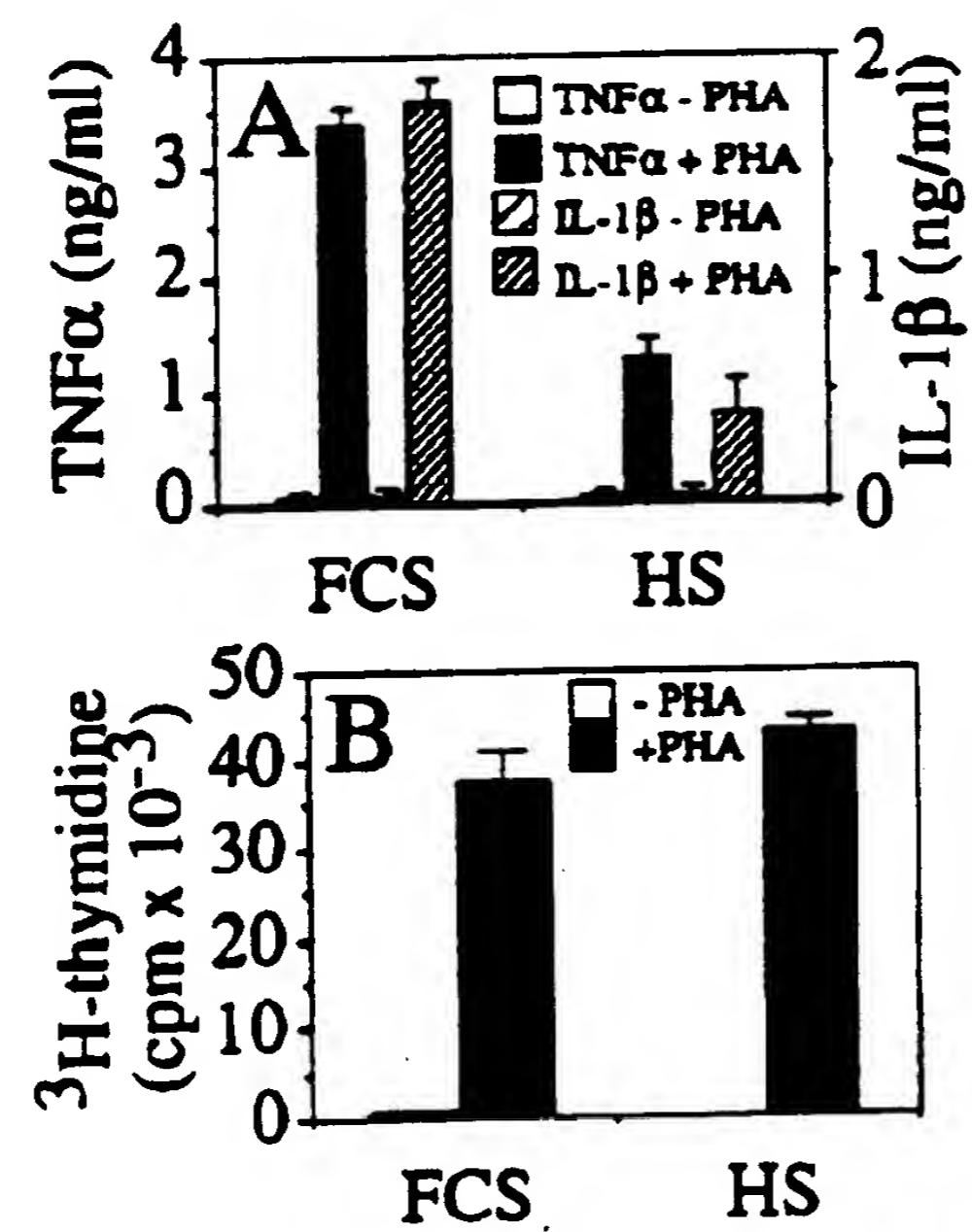


Fig. 3

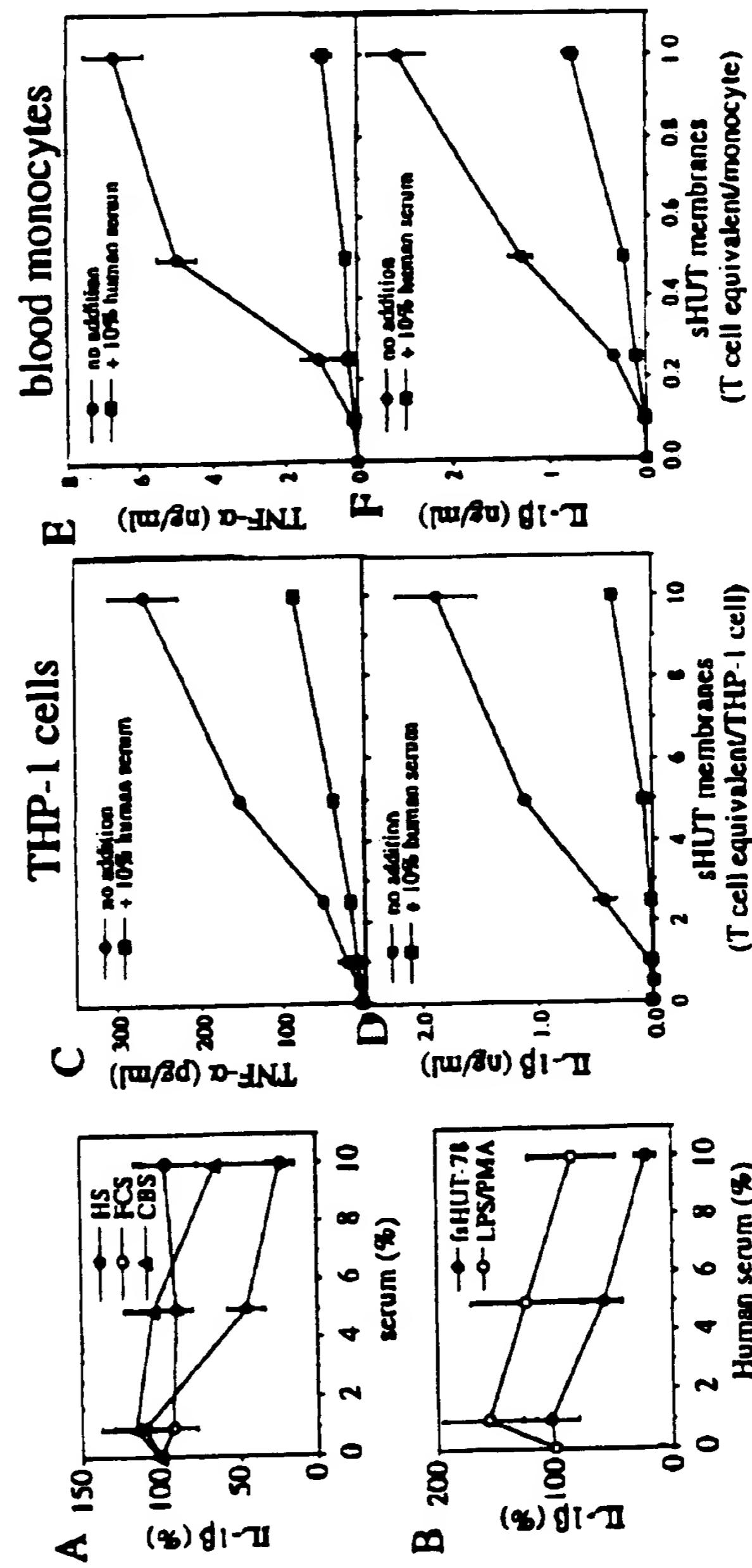


Fig. 4

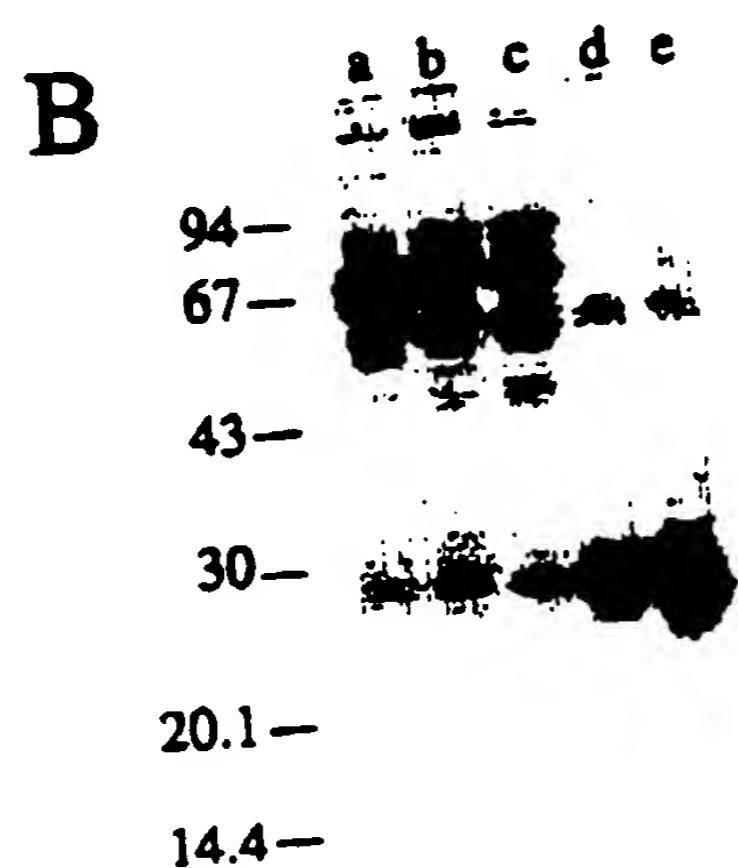
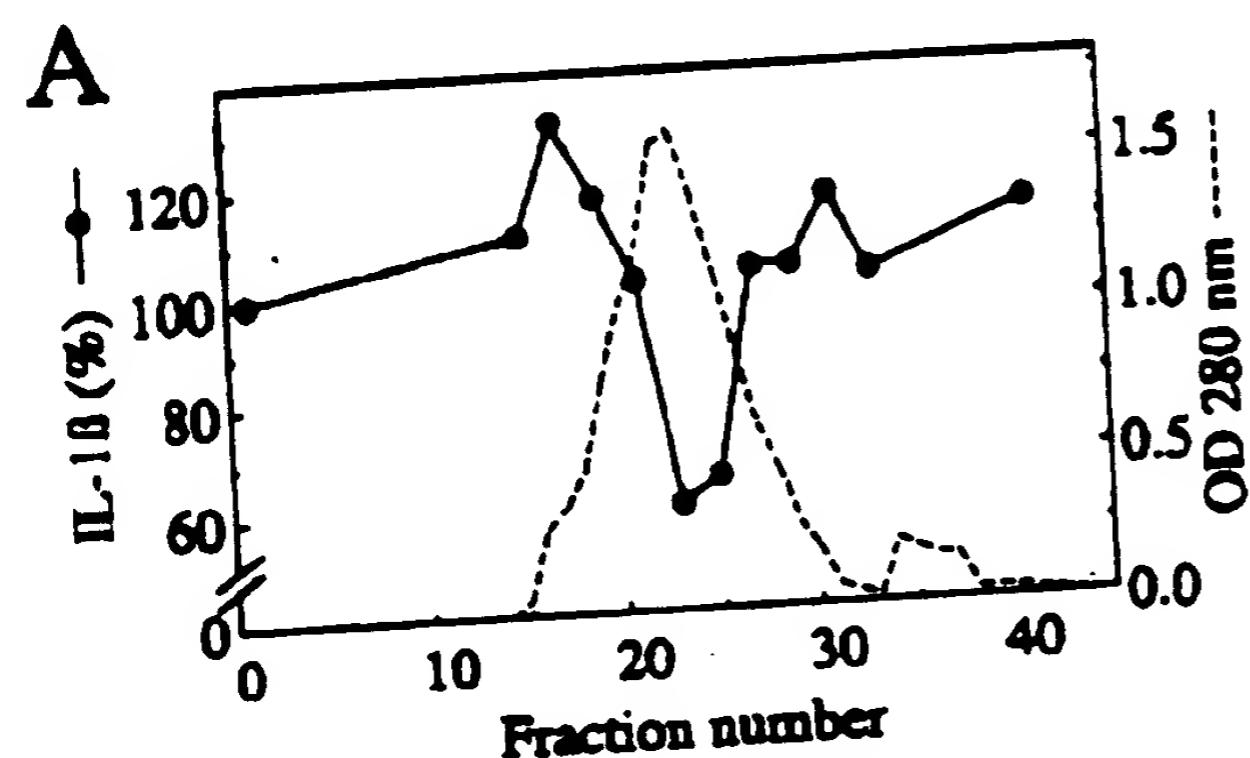


Fig. 5

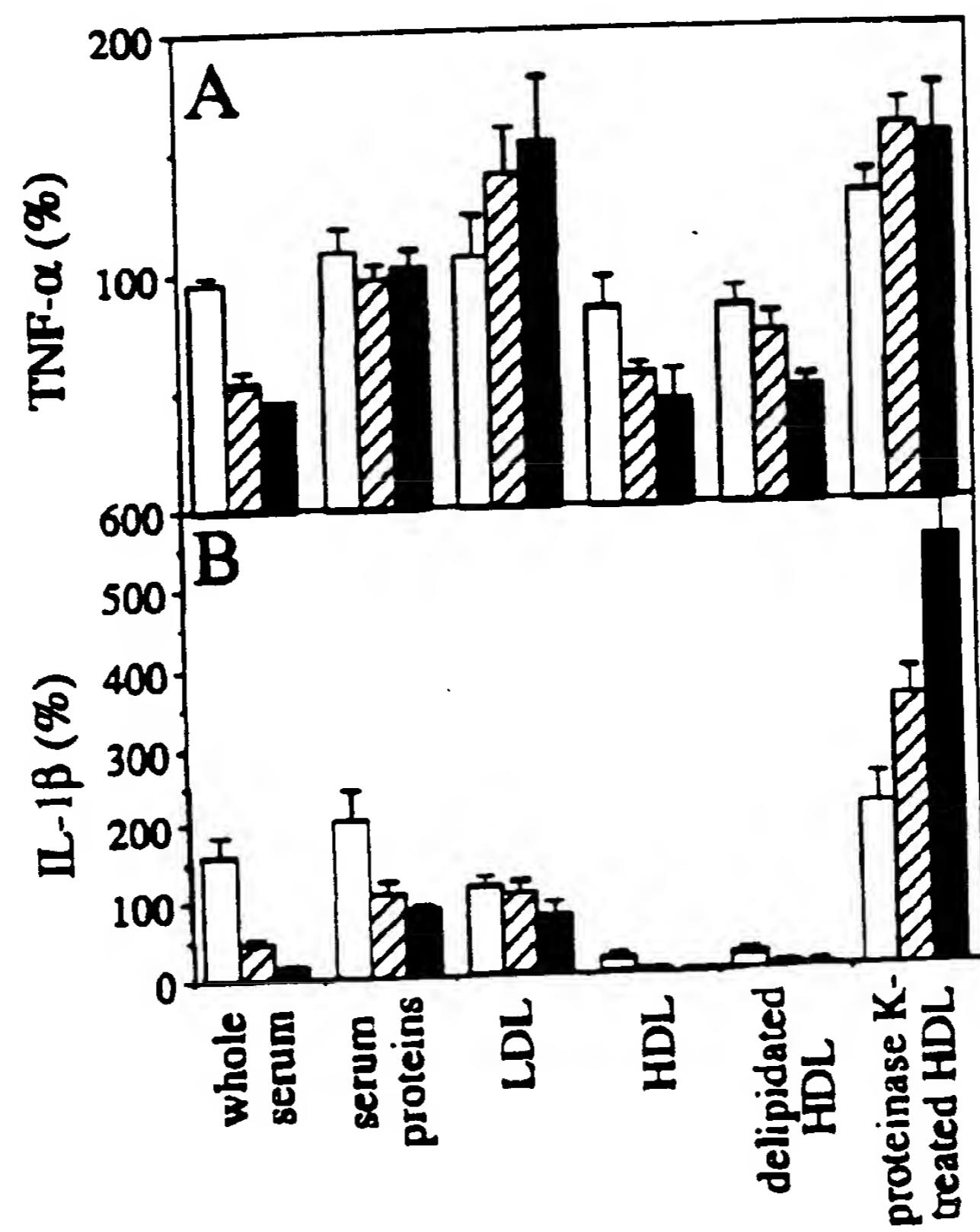


Fig. 6

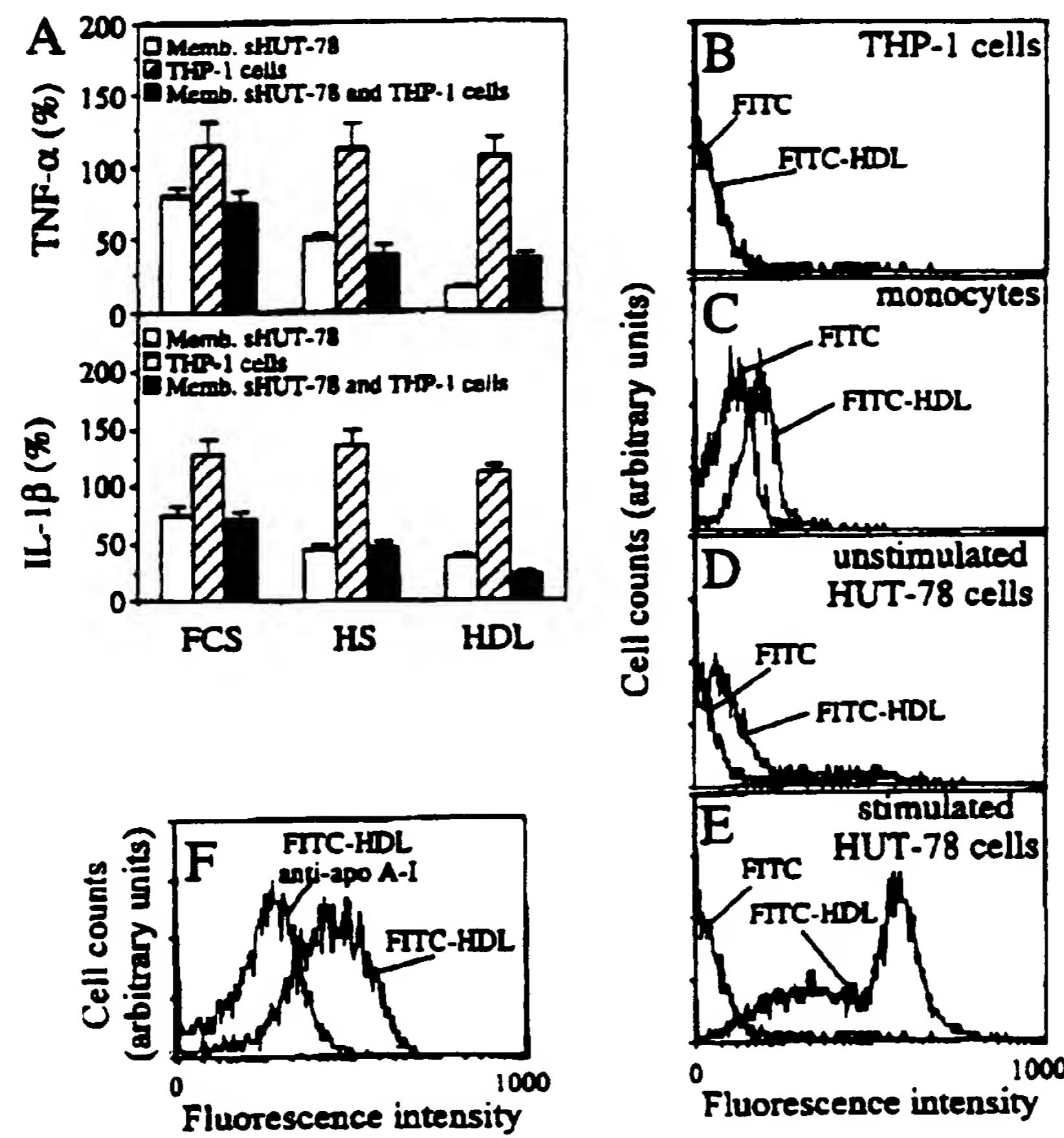


Fig. 7

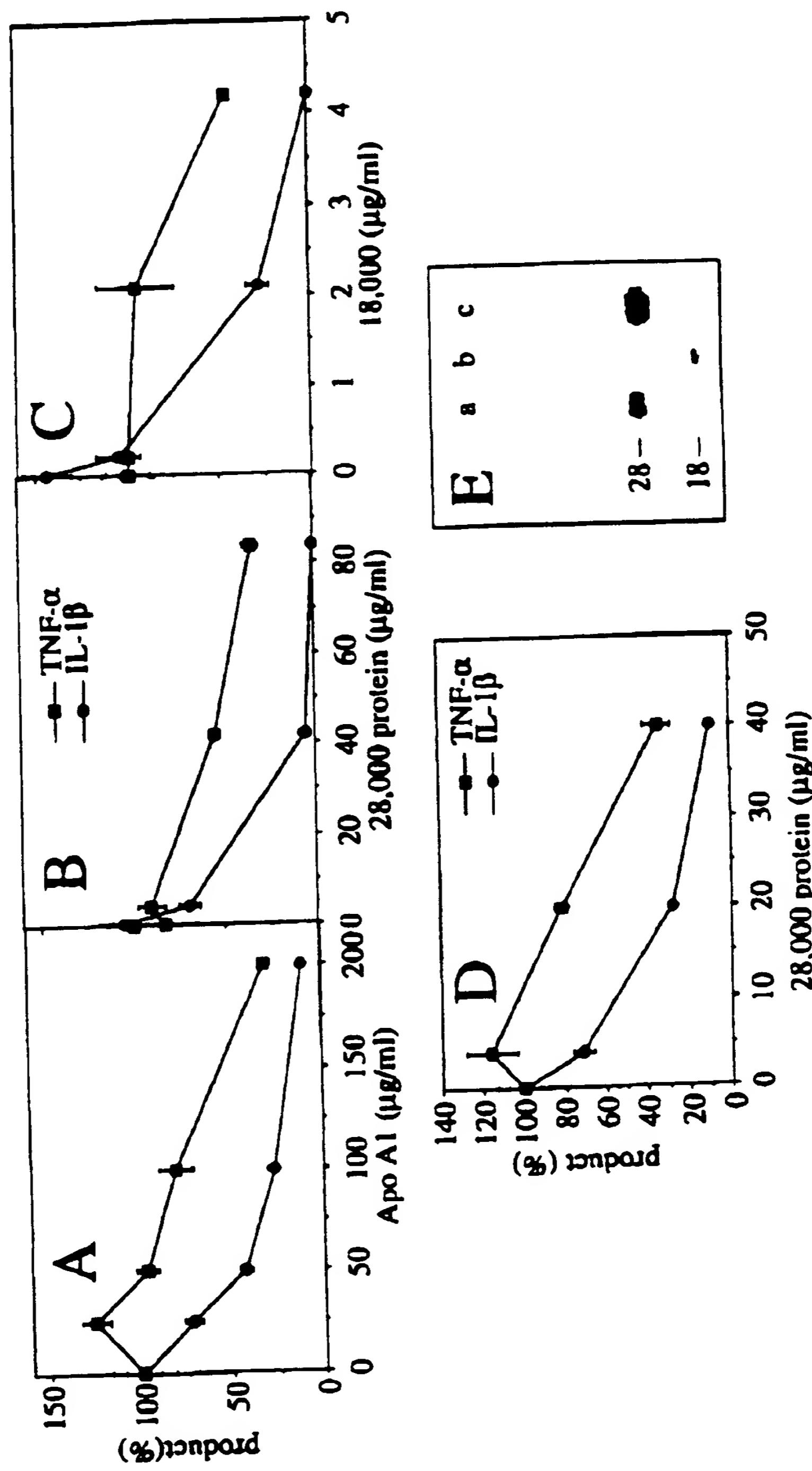


Fig. 8

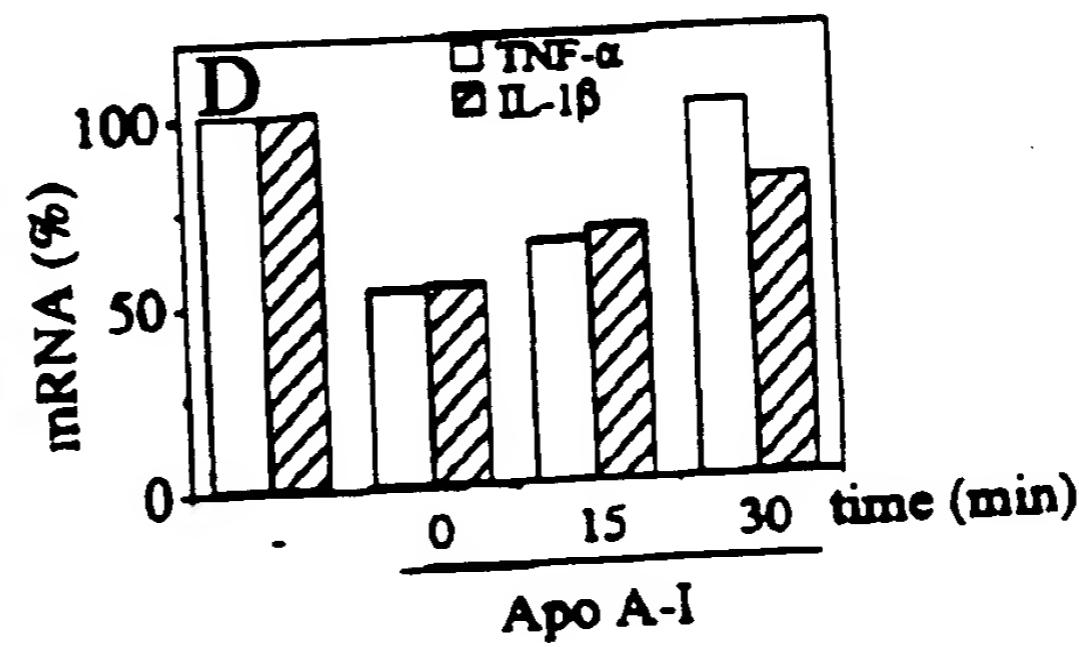
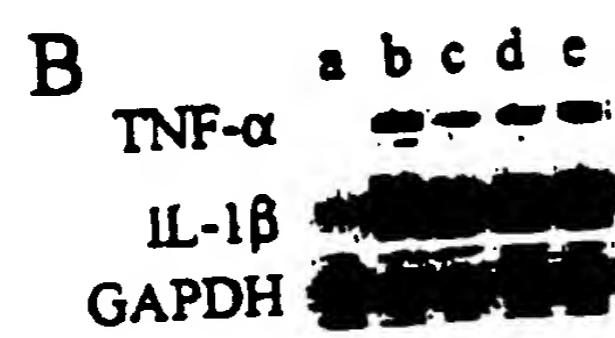
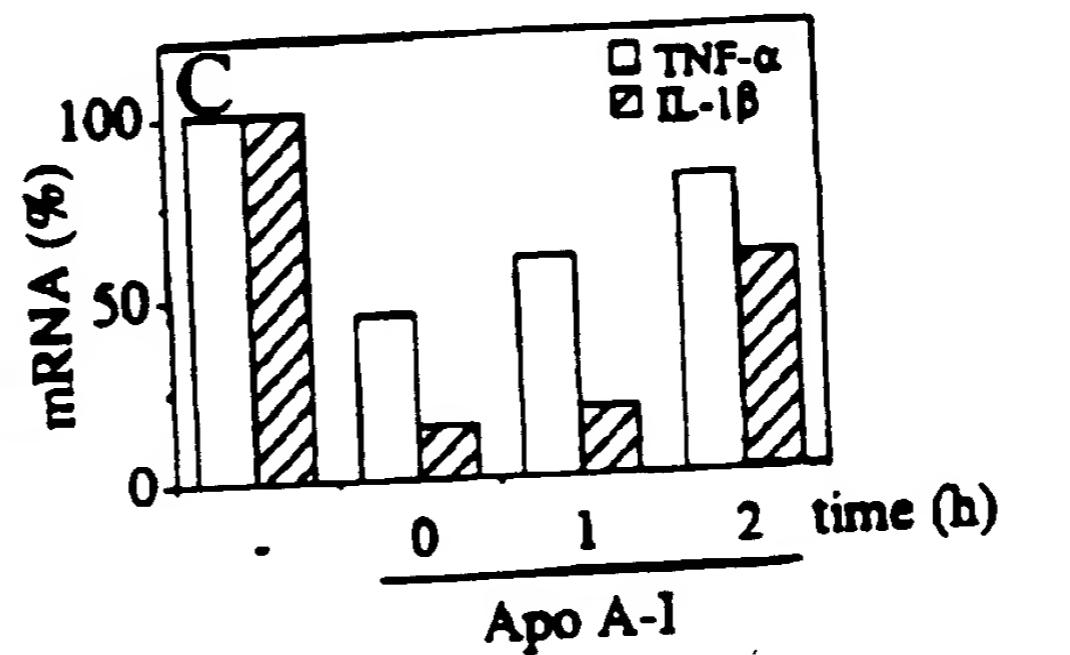
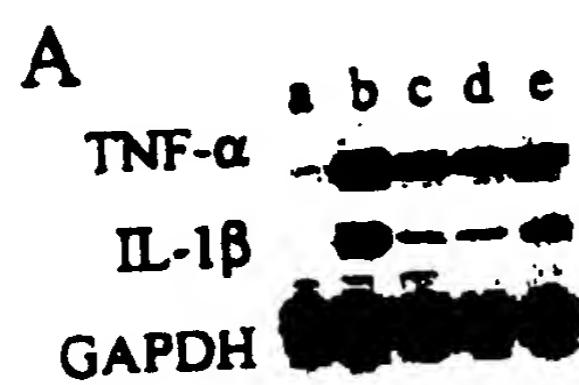


Fig. 9

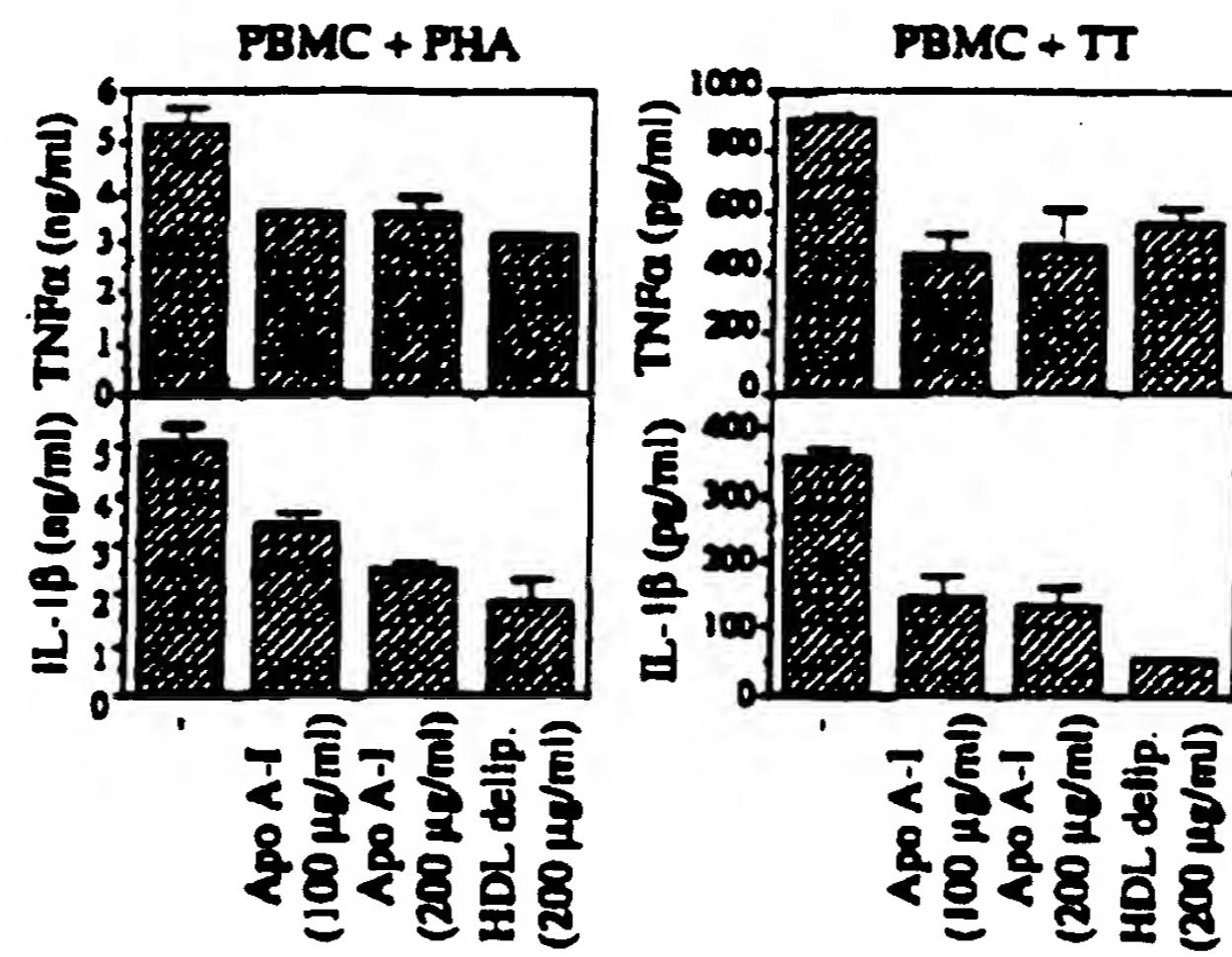


Fig. 10

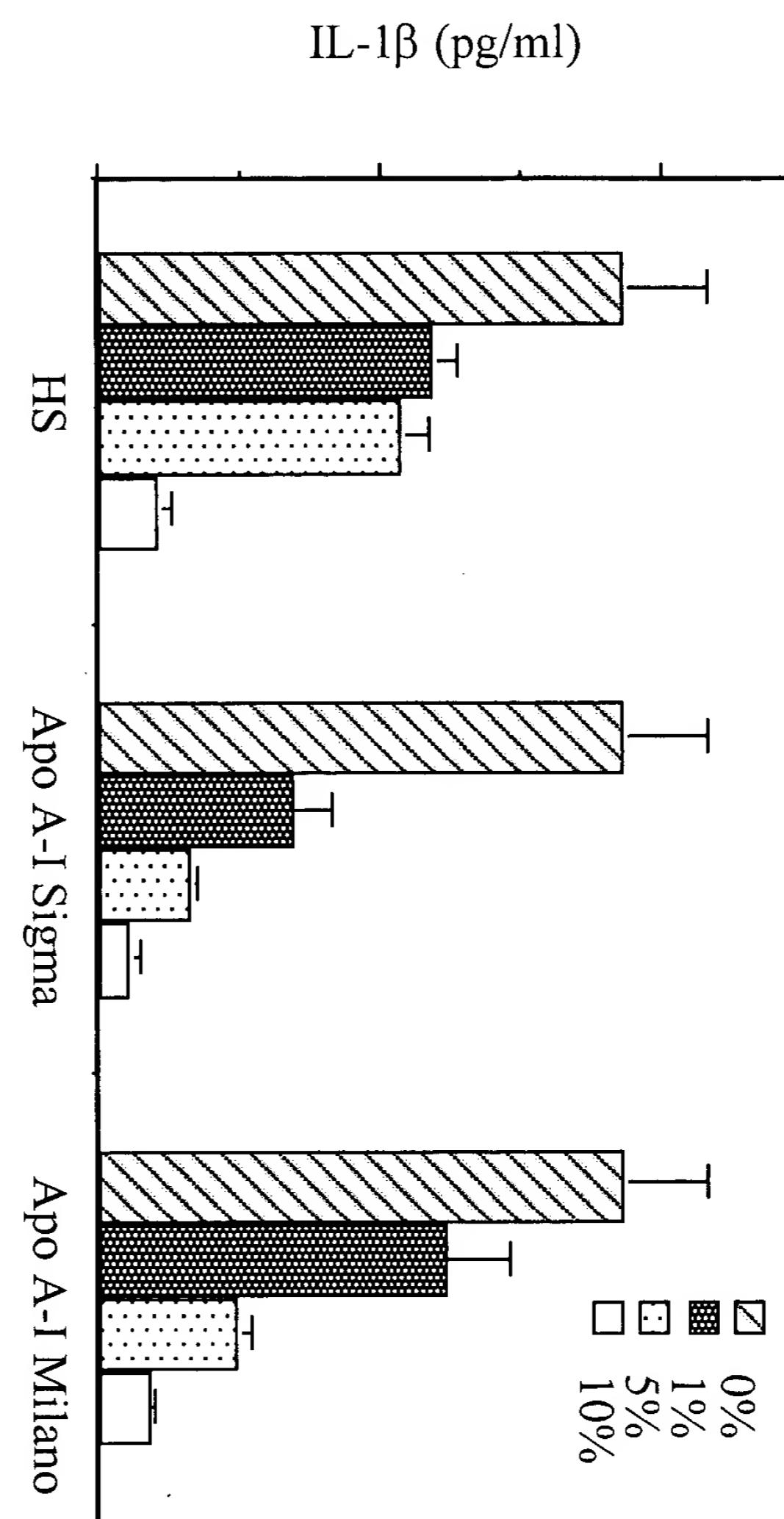


Fig. 11

